

# MAKING KENTUCKY **STRONGER** by DEGREES



Presentation to the NKU EdD Cohort  
Robert L. King, President  
Kentucky Council on Postsecondary Education

# New Strategic Agenda 2011-2015

## STRONGER by DEGREES

### A STRATEGIC AGENDA

for Kentucky Postsecondary  
and Adult Education



2011-2015



# FOUR AREAS OF FOCUS

**COLLEGE  
READINESS**

**STUDENT  
SUCCESS**

**RESEARCH,  
ECONOMIC, &  
COMMUNITY  
DEVELOPMENT**

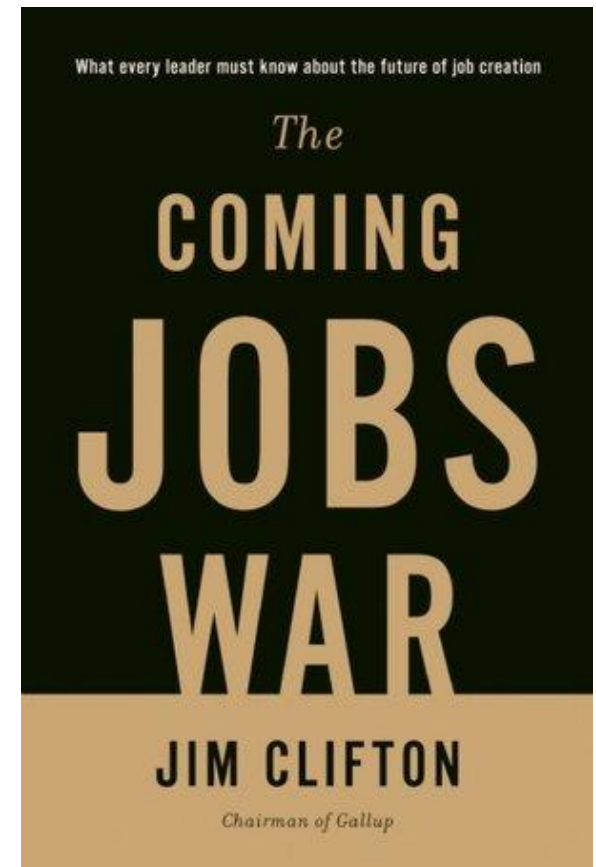
**EFFICIENCY &  
INNOVATION**

# The Challenge:

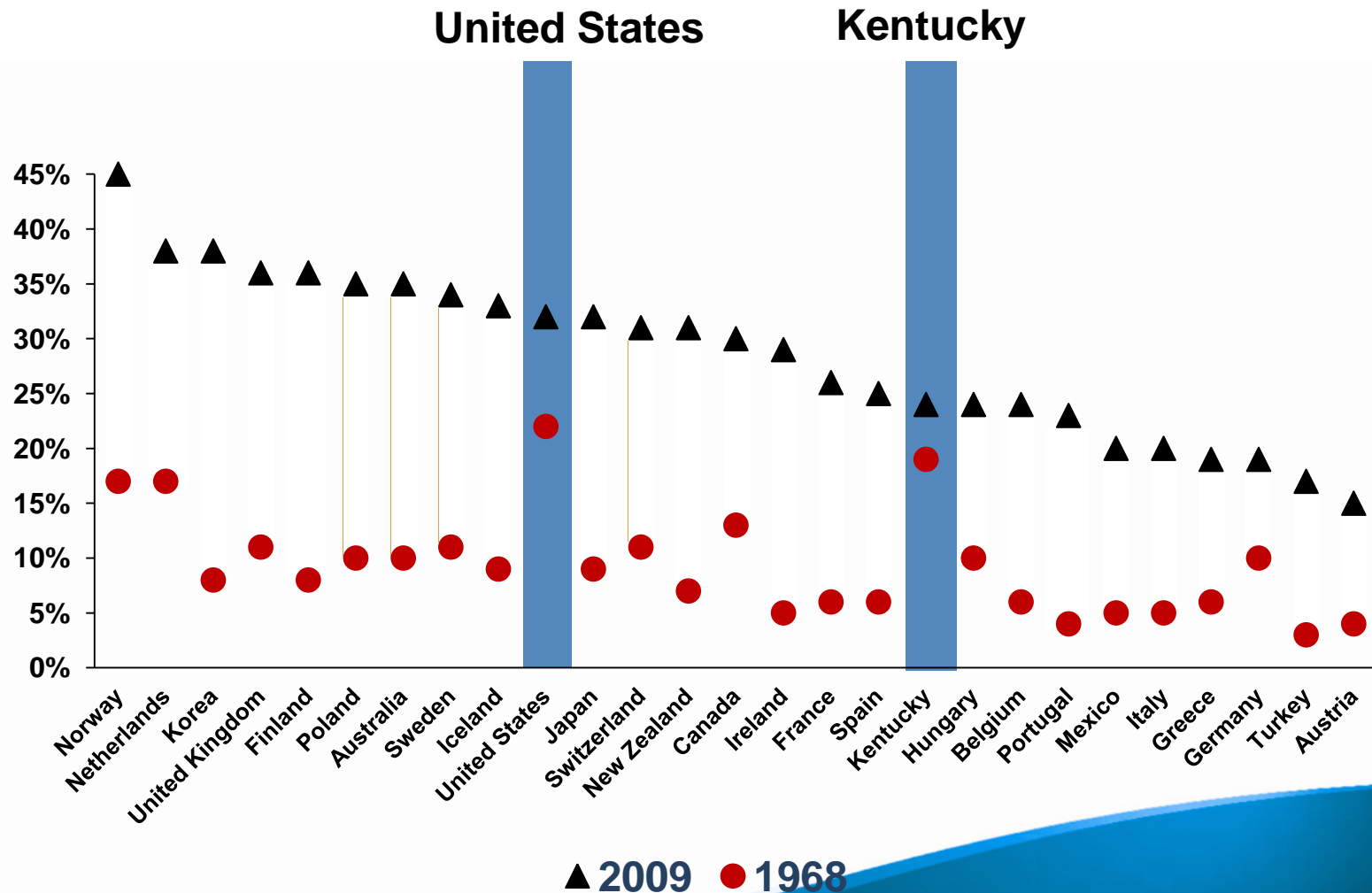
**Producing a U.S. workforce that is more productive, creative, and better problem-solvers than any other on the planet.**

# A Global War for Good Jobs is Coming.

- Most people want a full-time job that pays enough to support a family.
- 3 billion people reported to Gallup that they want such a job.
- Only 1.2 billion jobs in the world currently fit that description.
- As the foreign workforce becomes more educated, competition for jobs will be fierce.



# Baccalaureate Attainment, 25-34 Age Cohort, 1968 and 2009

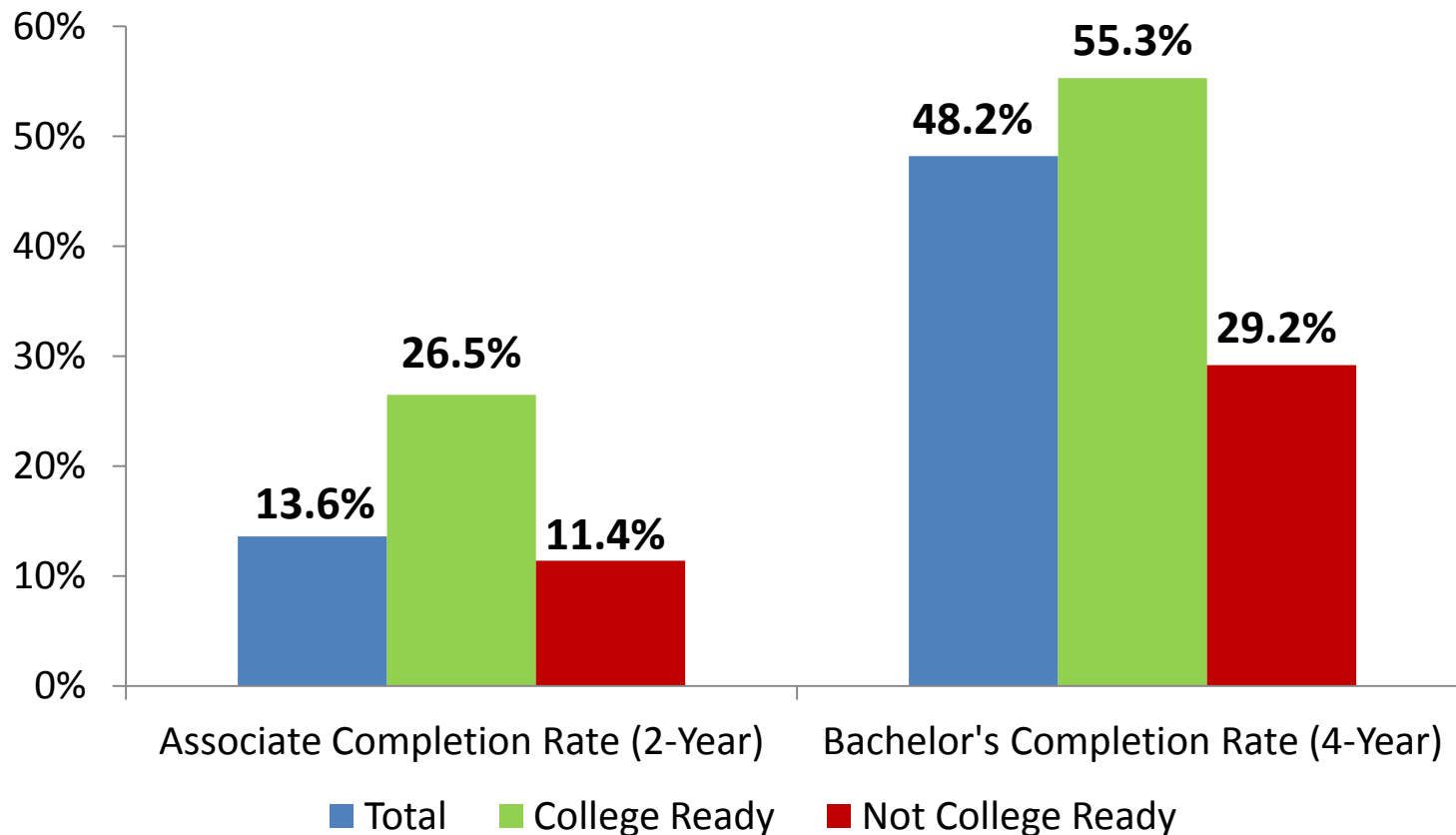


**HOW IS KENTUCKY DOING?**

# Graduation Rate Gaps

## Underprepared Students

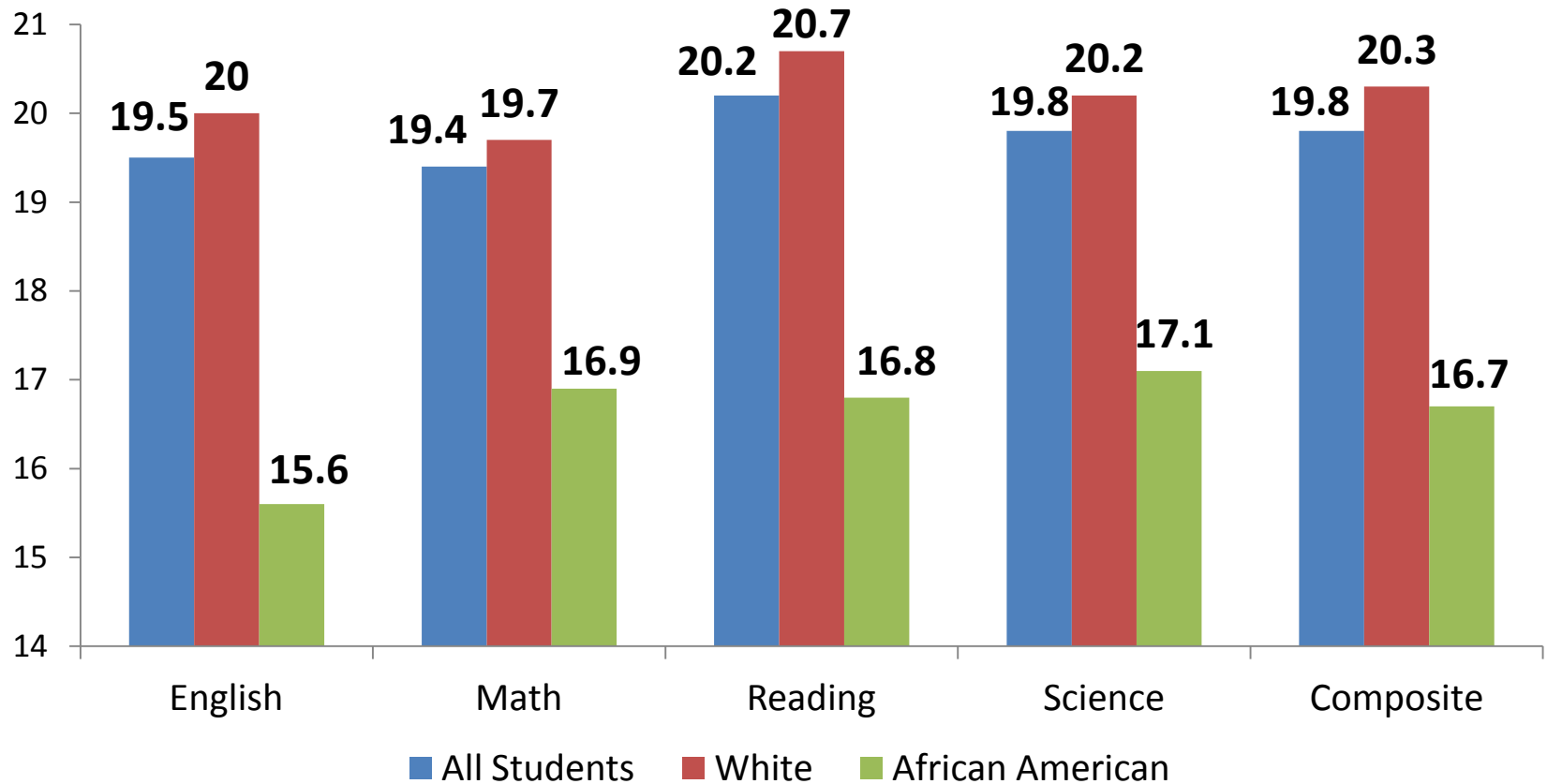
System completion rates of full-time, first-time associate and baccalaureate students who entered a KY public or independent university and completed a degree at any in-state public or independent institution, by college readiness at entry.





# 2012 ACT Performance Gaps

While Kentucky's ACT scores are improving, performance gaps between white and African American students are not shrinking.



Source: Average ACT Scores by Race/Ethnicity, ACT Profile Report, Kentucky Graduating Class of 2012, ACT, Inc.



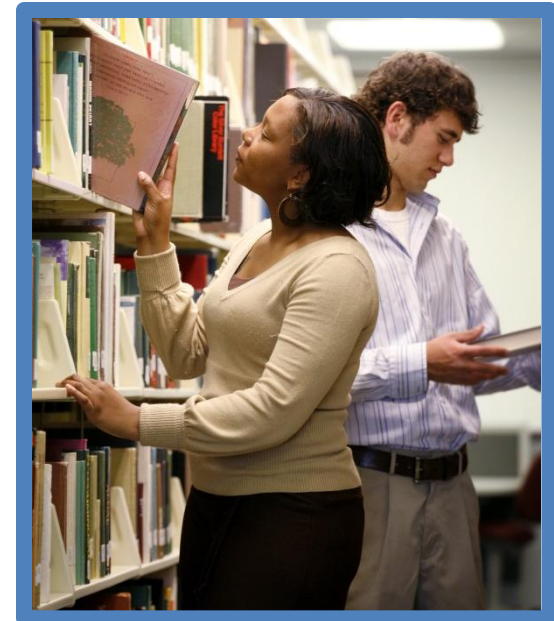
# The Good News:

- Kentucky became the first state to adopt the Common Core Standards in language arts and mathematics in 2010.
- Creates alignment between K-12 and higher education curricula that has been missing.
- In 2011, **66%** of all KY high school seniors tested below college readiness standards upon graduation. That number dropped to 57% in **2012**. The goal is **33% by 2020**.



# The Good News:

- In fall 2011, **58%** of Kentucky high school graduates and first-time undergraduate students attending public institutions were college-ready upon enrollment. This is up from **52%** in fall 2010.



# The rate of improvement in KY between 2000-2009 leads the nation

**#1**

**Adults (25-64) With a College Degree (Associate and Higher)**

**#1**

**6-Year Graduation Rates at 4-Year Institutions (Public and Private)**

**#1**

**Undergraduate Credentials Awarded per 1,000 18 to 44 Year Olds with No College Degree**

# The rate of improvement in KY between 2000-2009 leads the nation

**#2**

**Adults (25-44) With a College Degree (Associate and Higher)**

**#3**

**3-Year Graduation Rates at 2-Year Institutions (Public and Private)**

**#5**

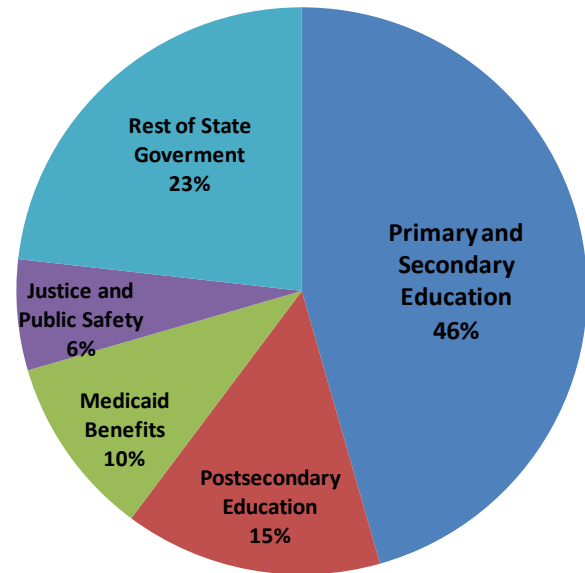
**Undergraduate Credentials 1 Year or More in Length**

# State investment in education is losing ground to other state expenditures.

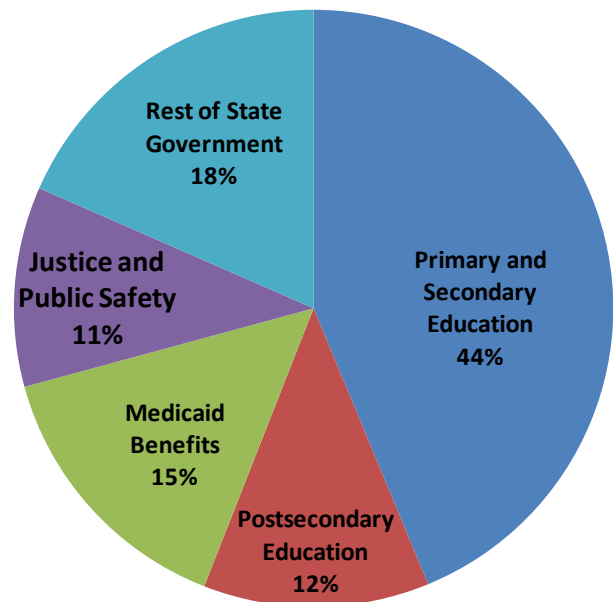
If postsecondary education had retained the same share of the General Fund budget in FY 2014 (12%) as in FY 1999 (15%), it would have generated approximately **\$230 million more** in state support for higher education.

If public postsecondary education had the same funding per FTE student in FY 2014 as in FY 1999 (~\$10,000 per FTE inflation adjusted), it would have generated approximately **\$734 million more** in state support for higher education.

FY 1999  
KY General Fund Budget Enacted (\$6 billion)



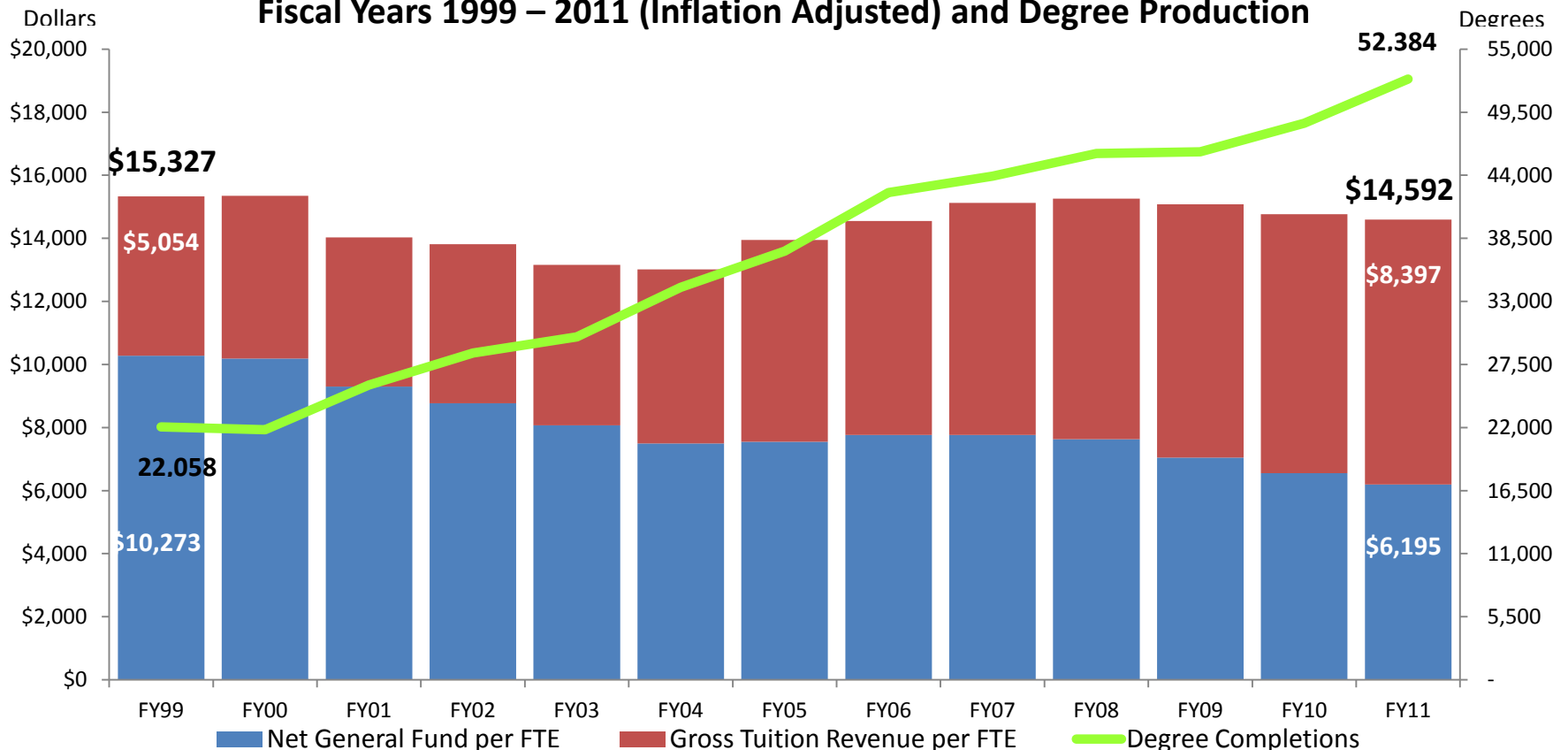
FY 2014  
KY General Fund Executive Budget Proposed (\$9.8 Billion)



# Reduced State Support & Increased Degrees

*State support for the public universities and KCTCS decreased by nearly \$4,100 (40% reduction) per FTE student since FY99, while degrees increased by over 30,000 (137% increase), and overall cost decreased by over \$700 per FTE student.*

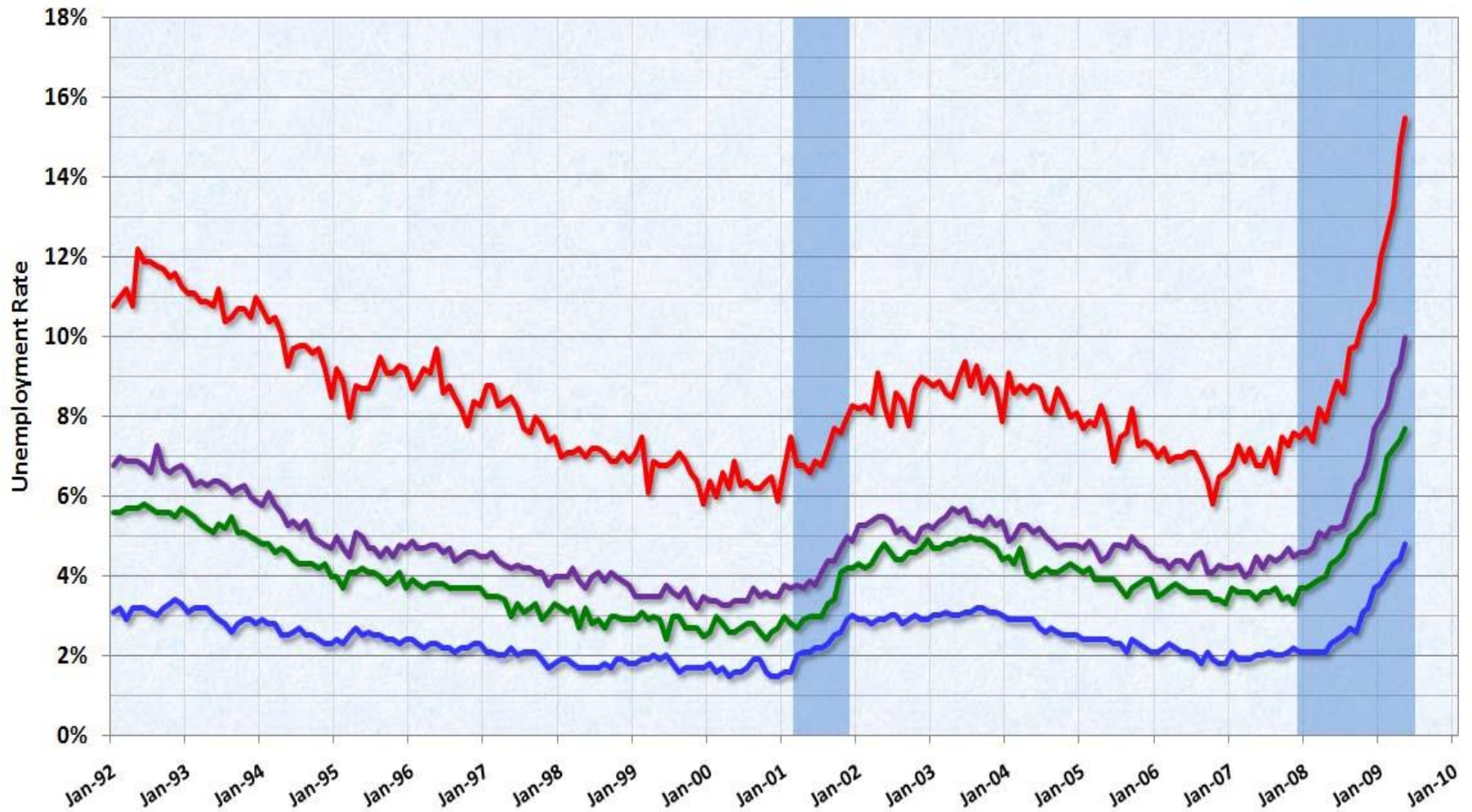
**Kentucky Public Postsecondary Education System  
Net General Fund Appropriations and Gross Tuition Revenue per FTE Student  
Fiscal Years 1999 – 2011 (Inflation Adjusted) and Degree Production**





## Unemployment Rate by Level of Education

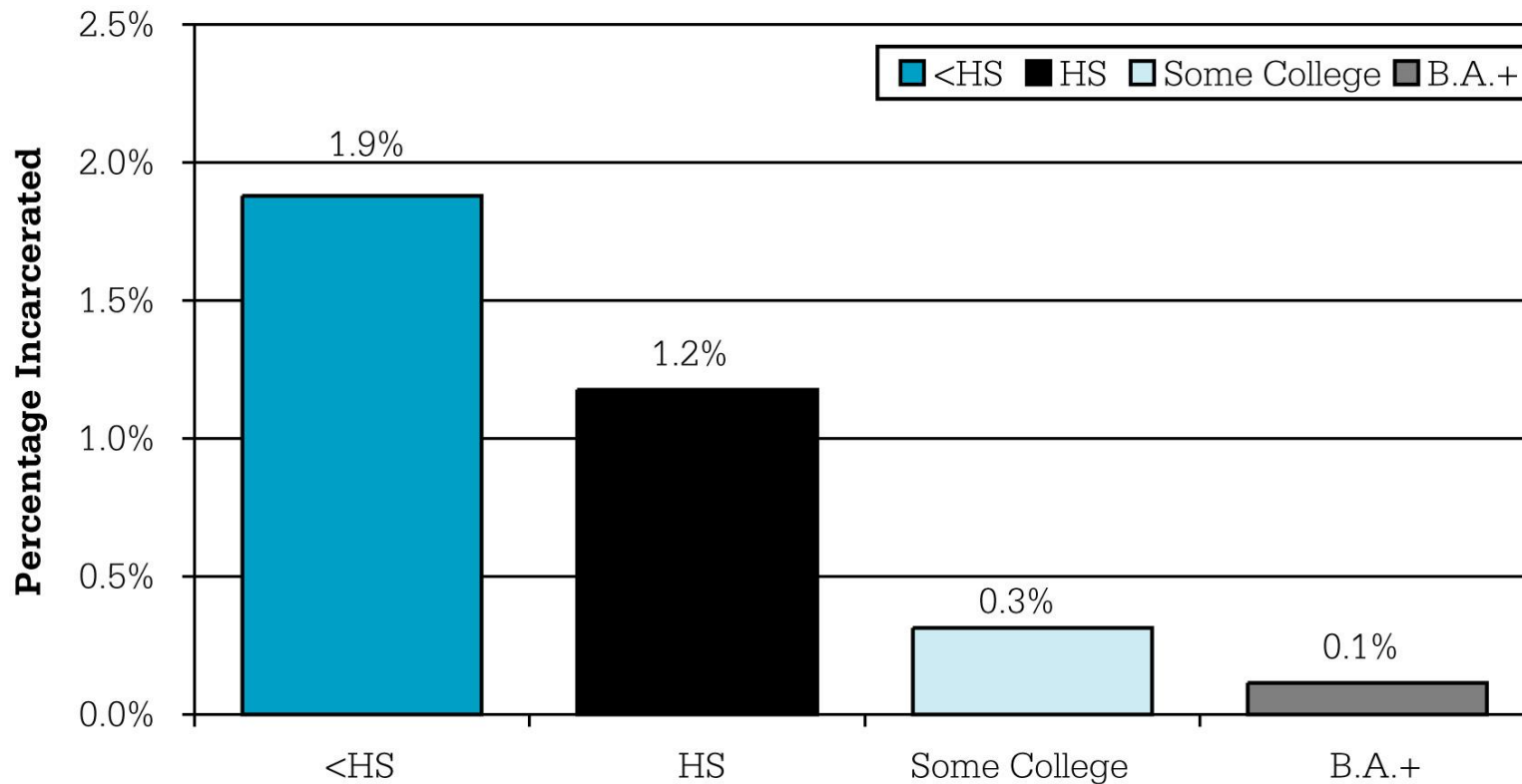
- Less than a High School Diploma, 25 yrs. & over
- High School Graduates, No College, 25 yrs. & over
- Some College or Associate Degree, 25 yrs. & over
- Bachelors degree and higher, 25 yrs. & over



<http://www.calculatedriskblog.com/>

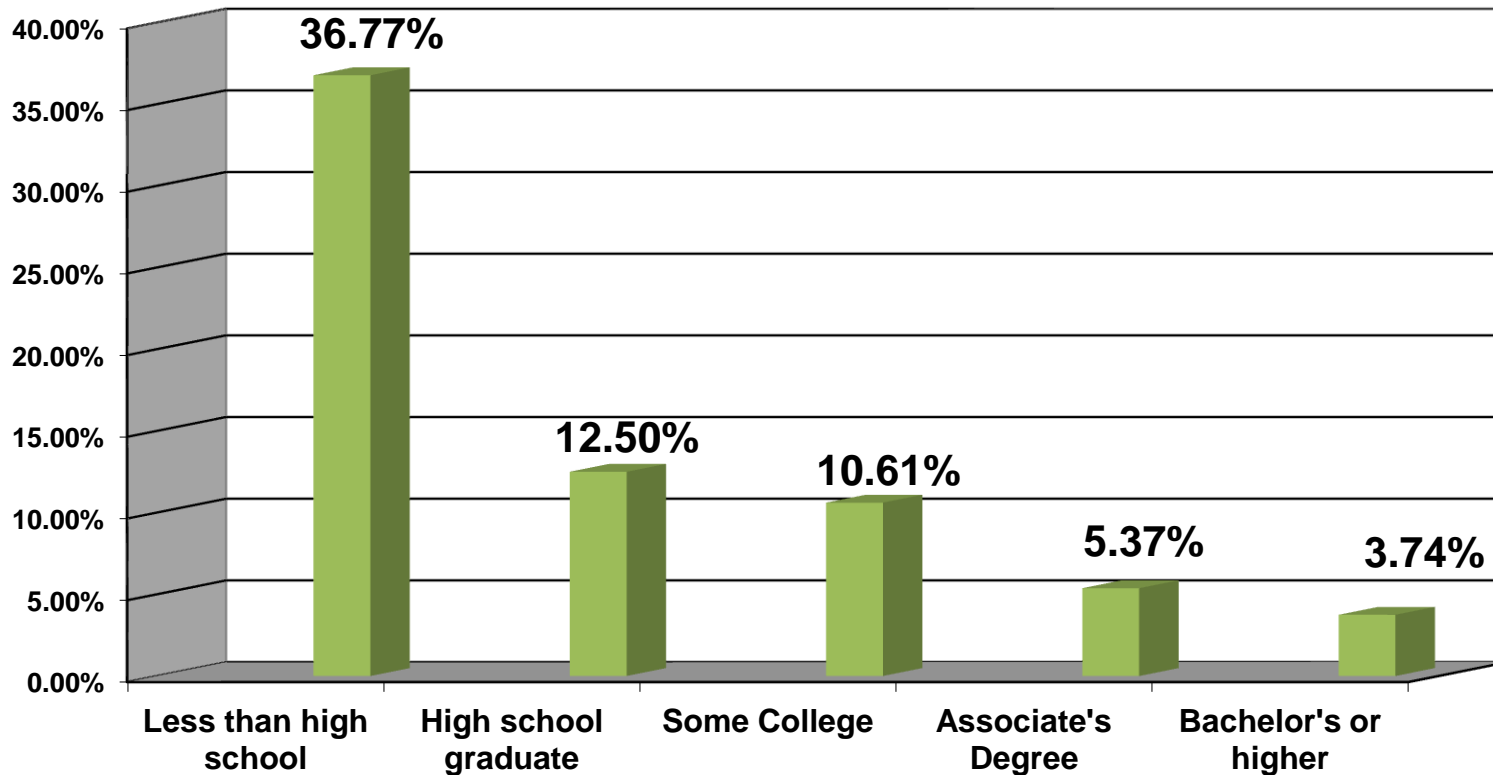


# Incarceration Rates by Education Levels



Source: Harlow, C.W. (2003). *Education and Correctional Populations*. Bureau of Justice Statistics, Department of Justice. NCJ195670.

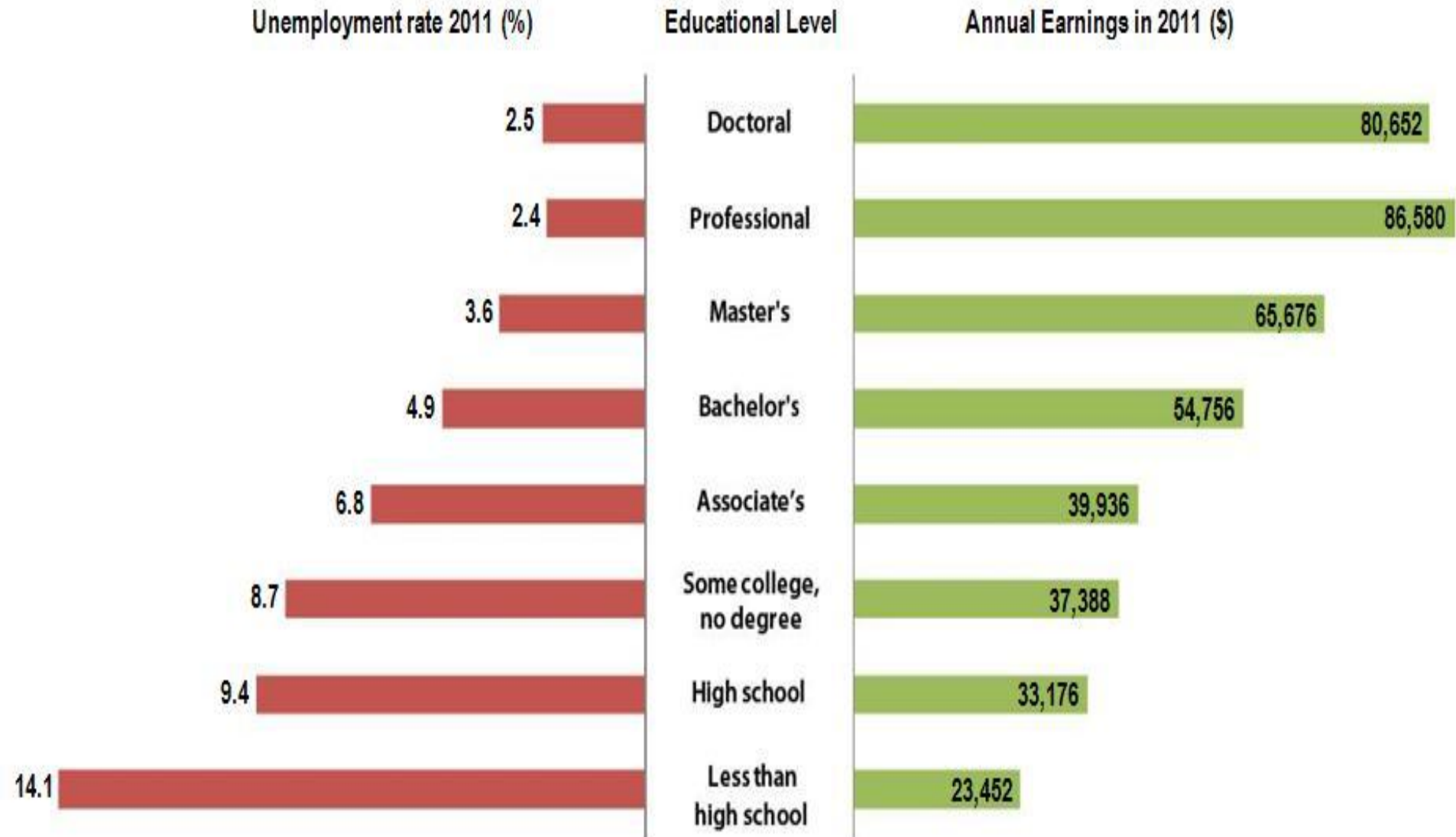
# Percentage of Kentucky Population on Medicaid by Education Levels



*Source: March 2012 Current Population Supplement, Current Population Survey (CPS)*



# Education Pays

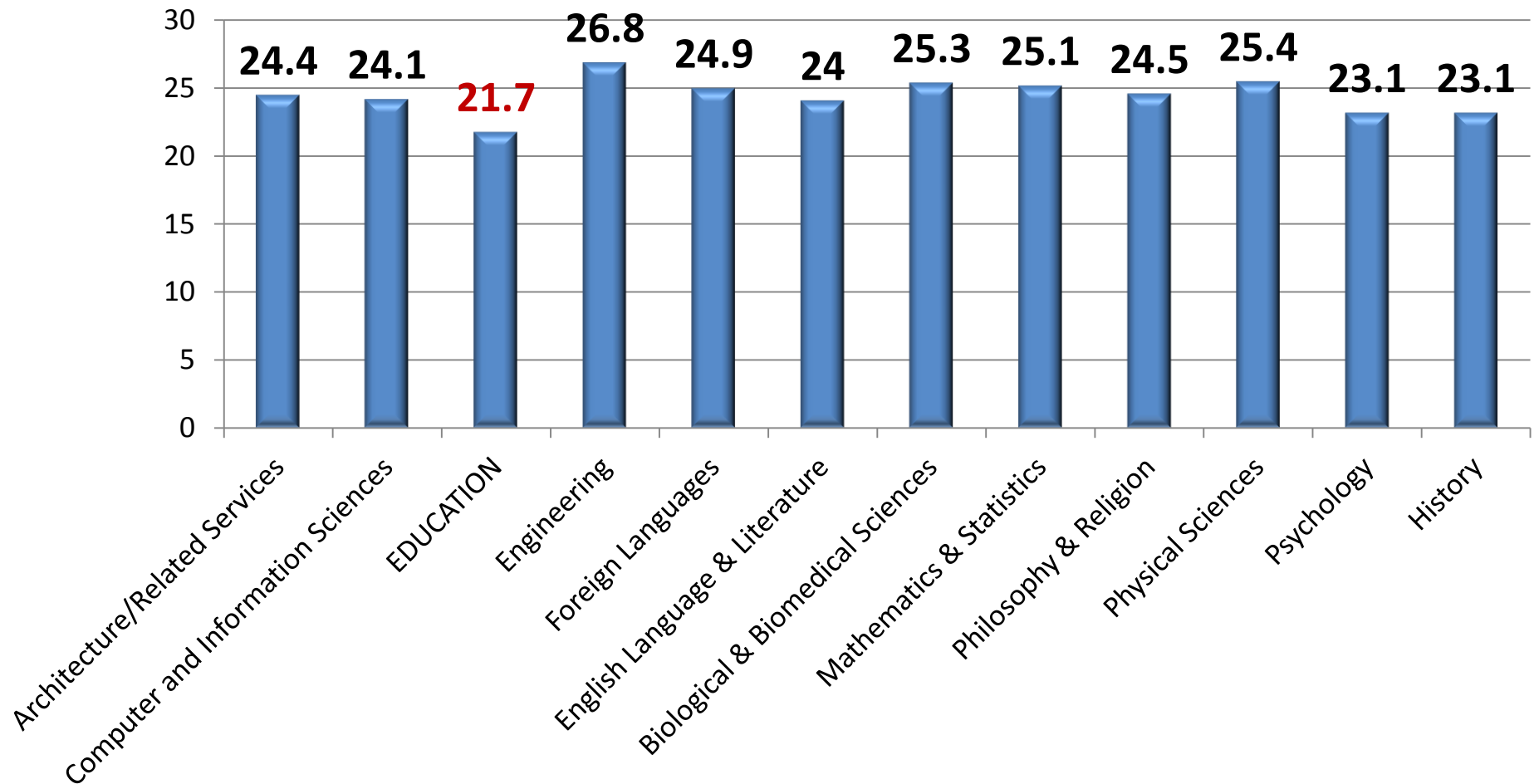


Source: Bureau of Labor Statistics, Current Population Survey

**HOW DO WE IMPROVE OUR  
NUMBERS & ACCELERATE  
IMPROVEMENT?**

- **Adopt and implement Common Core Standards.**
- **Elevate the skills of our teaching corps and principals.**
- **Create career pathways and compensation designed to attract and retain top-quality talent.**

# ACT Scores by Major, Fall 2011 Juniors & Seniors at KY 4-Year Public Institutions



Source: Kentucky Council on Postsecondary Education Comprehensive Database System



- In the countries where students perform the best academically, teachers typically come from the **top 25 percentile** of students.
- The teaching profession is **prestigious**, and schools of education are **selective**.
- In the United States, teachers tend to be the lowest academic performers (bottom third), especially in elementary education.

# In an informal survey of math coaches being trained at the NKU Center for Mathematics:

- 100% said the training they are receiving is effective. Had they learned it sooner, “We could have helped many more students.”
- 100% thought that the training would be best offered as part of the pre-service curriculum.



# 16 Algebra I teachers in KY who volunteered to teach in the pilot board exam project, “Excellence for All,” were asked to solve a sample student question:

- If it takes 5 people all painting at the same rate 4 days to paint a house, how long will it take one person?
- Write a formula that would allow you to determine how long it would take to paint a house if the variable is the number of painters being used.

**How many of the 16 teachers solved  
the problems correctly?**

0

# Difference in Beginning Teacher PD Need vs. Receipt

Professional Development Area	% Indicating a Need in 2011	% Indicating They Had 10 or More Hours Over the Past Two Years
Differentiating Instruction	74.3	43.8
Special Education (Disabilities)	71.8	25.1
Closing the Achievement Gap	70.4	29.1
Special Education (Gifted/Talented)	67.4	8.1
Reading Strategies	60.9	34.8
Methods of Teaching	58.4	48.1
Student Assessment	58.4	49.5
Classroom Management Techniques	55.9	31.2
Integrating Technology into Instruction	54.9	39.1
Your Content Area	46.0	50.3
English Language Learners	44.9	6.7

*Source: TELL Kentucky: Creating Supportive School Conditions for Enhancing Teacher Effectiveness.*



# Next Steps in Teacher Preparation

- Develop an aggressive marketing campaign to recruit high-performing students into teaching. Elevate selectivity.
- Redesign teacher training:
  - Elementary educators need deep content, especially in numeracy and literacy.
  - Middle and high school educators need content-specific pedagogy.
- Engage the whole university, not just the schools of education.
- Increase clinical experiences.
- Add a full year of residency at a “teaching hospital” school (earning a Master’s degree).

# Professional Development

- Improve professional development for school leaders to emphasize academic leadership. Use NISL training.
- Involve Kentucky colleges and universities in the design and provision of research-proven, high-quality, effective professional development.
- Encourage growth of the Kentucky Partnership Academies (formerly known as Assessment Academies) and Regional Content Leadership Networks. Currently housed at three universities, the goal is to expand this network.

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